

Shq ASD

101388

Page 1

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 5/09/13 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 5/28/13 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: _____ Process Plan: W _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr Revision Nbr

N/A Rev N/A

100

0.00

100

DOCUMENT CONTROL

DC

0.00

Document Control

Memo

Photocopy bluefile and create labels per PPP D412-702-021 CHG003

110

Pick Kit

0.00

110

Pick Kit

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

Memo

0.00

QC

Quality Control

Work Order ID 101388

101388

Page 2

May-09-13 8:02:45 AM

Item ID: D412-702-021

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 5/09/13 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 5/28/13 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-702-021 Location: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

SD
Ship

13/5/31

MC 13-05-31

MF
13-5-31

Picklist Print

May-09-13 8:02:44 AM

Page 1

Work Order ID: 101388
 Parent Item: D412-702-021
 Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 5/09/13

Required Date: 5/28/13

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:B Removed Manufacturing 05-11-08 JLM
 IPP Rev:C06.04.03As per DSI9324 JLM
 IPP rev D 06.12.14 per ecn 871 EC
 IPP Rev:E 07-03-14 As per DSI 9351 JLM
 IPP Rev:F 07-07-28 As per Rev E JLM Verified By:ec IPP Rev.G 11.05.31 DSI
 9559 EC verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN4-13A

Bolt

Purchased

No

120

Each

829.0000

4

4

8/

8/

Location

Loc Qty

Loc Code

FG

20

122808

20

Return2012

8

122416

8

ST513

778

125388

778

ST514

23

122993

13

123900

10

4X

AN4-20A

Bolt

Purchased

No

120

Each

426.0000

8

8

8/

8/

Location

Loc Qty

Loc Code

GA

51

116419

51

ST517

375

121060

8

124215

367

8X

AN4-5A

Bolt

Purchased

No

120

Each

370.0000

4

4

8/

8/

Location

Loc Qty

Loc Code

ST355

181

120562

181

ST514

189

120562

189

4X

8X
 8/13-5-9

Picklist Print

May-09-13 8:02:44 AM

Page 2

Work Order ID: 101388

Parent Item: D412-702-021

Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 5/09/13

Required Date: 5/28/13

Start Qty: 1.00

Required Qty: 1.00

AN960JD416

Washer

D3195-041

Bracket Assembly

D3195-043

Bracket Assembly

D3196-1

Bar

D3196-3

Bar

D3196-4

Bar

D3197-041

Bar Assembly

Purchased No

Manufactured No

Manufactured No

Manufactured No

Manufactured No

Manufactured No

Manufactured No

Location

ST246A

84755

96187

Location

ST246A

96186

Location

ST259

80816

88150

Location

ST259

81537

88225

Loc Qty

6

2

4

Loc Qty

2

2

Loc Qty

4

1

3

Loc Qty

4

1

3

Loc Code

Loc Code

Loc Code

Loc Code

0.0000

6.0000

2.0000

0.0000

4.0000

4.0000

0.0000

20

20

2

2

2

2

1

1

1

1

1

1

2

2

m 124778 SP

B100721 SP

102293

May-09-13 8:02:45 AM

Shop Packet Print

Page 2

Picklist Print

May-09-13 8:02:45 AM

Page 3

Work Order ID: 101388

Parent Item: D412-702-021

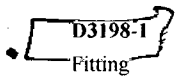
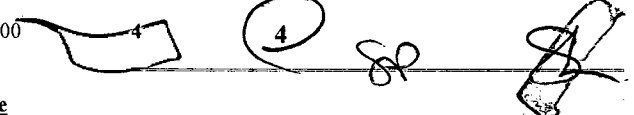
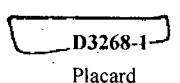
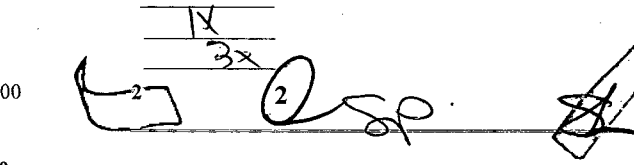

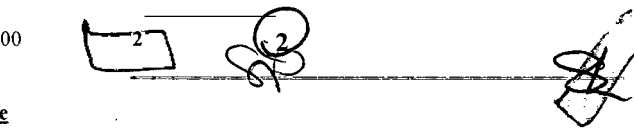
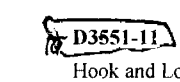
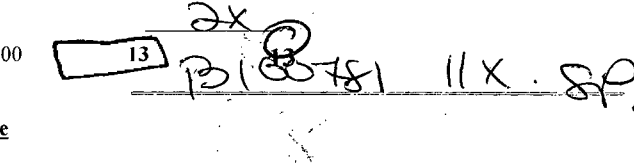
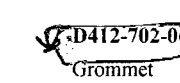
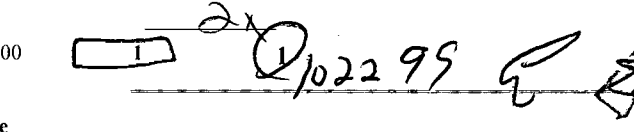
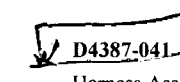
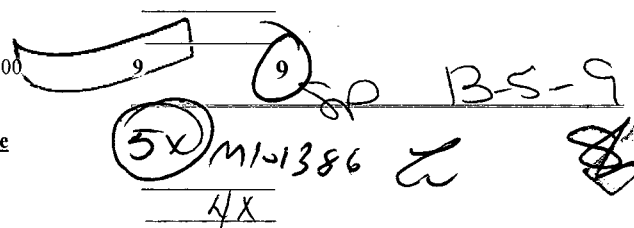
Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 5/09/13

Required Date: 5/28/13

Start Qty: 1.00

Required Qty: 1.00

	Manufactured	No		120	Each	5.0000	
			<u>Location</u>	<u>Loc Qty</u>		<u>Loc Code</u>	
			ST246A	5			
			95062	1			
			96176	4			
	Manufactured	No		120	Each	2.0000	
			<u>Location</u>	<u>Loc Qty</u>		<u>Loc Code</u>	
			ST246A	2			
			94985	2			
	Manufactured	No		120	Each	4.0000	
			<u>Location</u>	<u>Loc Qty</u>		<u>Loc Code</u>	
			ST245	4			
			95131	4			
	Manufactured	No		120	Each	2.0000	
			<u>Location</u>	<u>Loc Qty</u>		<u>Loc Code</u>	
			ST246A	2			
			94941	2			
	Manufactured	No		120	Each	1.0000	
			<u>Location</u>	<u>Loc Qty</u>		<u>Loc Code</u>	
			FG	1			
			96107	1			
	Manufactured	No		120	Each	5.0000	
			<u>Location</u>	<u>Loc Qty</u>		<u>Loc Code</u>	
			ST263	5			
			94845	5			

May-09-13 8:02:45 AM

Shop Packet Print

Page 3

Picklist Print

May-09-13 8:02:45 AM

Work Order ID: 101388

Parent Item: D412-702-021

Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 5/09/13

Required Date: 5/28/13

Start Qty: 1.00

Required Qty: 1.00

D4387-043 Manufactured No

120 Each 4.0000

Harness Assembly

Location Loc Qty Loc Code

ST265 4

94846 4

Purchased No

120 Each 3,467.0000

MS21042L4

Nut

Location Loc Qty Loc Code

FP001 50

122452 38

8182 12

st507 3000

125535 3000

ST518 417

124231 417

Purchased No

120 Each 17.0000

MS24694-S152

Screw

Location Loc Qty Loc Code

ST304 17

123021 17

Purchased No

120 Each 17.0000

MS24694-S154

SCREW

Location Loc Qty Loc Code

ST304 17

123021 17

Slp ASH

Work Order ID 101388

May-09-13 8:02:45 AM

101388

Page 1

Item ID: D412-702-021

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 5/09/13 Start Qty: 1.00

1

Cust Item ID:

Required Date: 5/28/13 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: W Date: Tooling: Date:

Run Start *NR1*

QC: Date: SPC (Y/N): Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
----------	--------------

N/A	Rev N/A
-----	---------

W SP

100		0.00							
-----	--	------	--	--	--	--	--	--	--

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-702-021 CHG003

MLJ 13-05-09

110	Pick Kit	0.00							
-----	----------	------	--	--	--	--	--	--	--

110

Packaging

Memo

0.00

Packaging

120	QC4- 100% Inspect kits for completeness	0.00							
-----	---	------	--	--	--	--	--	--	--

120

QC

Memo

0.00

Quality Control

DART SERVICE INSTRUCTION

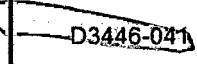

TO AMEND IIN-D412-702-1 REV. A,
AND ICA-D412-702 REV. 4 OR EARLIER APPROVED REVISIONS
REF. TCCA STC: SH04-7
REF. FAA STC: SR01997NY
REF. EASA STC: EASA.IM.R.S.00710

PURPOSE

The purpose of this DSI is to outline the replacement of existing D3446-041/-043 Shoulder Harnesses with the new and improved D4387-041/-043 Shoulder Harnesses.

CHANGE

For the following Kits, the D4387-041 and D4387-043 Shoulder Harnesses respectively replace the D3446-041 and D3446-043 Shoulder Harnesses as follows:

Old Harness P/N	Used On	New Harness P/N	Effectivity
 D3446-041	D412-702-021	 D4387-041	CHG 003 and subsequent
	D412-702-023		
	D412-702-027		CHG 002 and subsequent
	D412-702-029		
D3446-043	D412-702-021	D4387-043	CHG 003 and subsequent
	D412-702-025		CHG 002 and subsequent






Customers who want to upgrade their shoulder harnesses may replace their existing D3446-041/-043 with D4387-041/-043 per this service instruction.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 11.05.09
CERT. NO.: SH04-7
ISSUE NO.: 3

A	NEW ISSUE	MB	11.05.09
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9559	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		HARNESS CHANGE	NTS
DATE	11.05.09	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

QTY -021	QTY -023	QTY -025	QTY -027	QTY -029	QTY -035	Part Number	Description
X						D412-702-021	Dart 13-Man Shoulder Harness Kit, 4-point
	X					D412-702-023	Dart 5-Man Forward Facing Shoulder Harness Kit, 4-point
		X				D412-702-025	Dart 4-Man Aft Facing Shoulder Harness Kit, 4-point
			X			D412-702-027	Dart 4-Man Side Facing Shoulder Harness Kit, 4-point
				X		D412-702-029	Dart 1-Man Forward Facing Shoulder Harness Kit, 4-point
					X	D214-702-035	Dart 5-Man Aft Facing Shoulder Harness Kit, 4-point, for Bell 214B/B-1
1	1		1	1		D412-702-069	GROMMET KIT
2	2					D3195-041	BRACKET
2	2					D3195-043	BRACKET
1	1			1		D3196-1	BAR
1			1			D3196-3	BAR
1			1			D3196-4	BAR
2	2					D3197-041	BAR
4		4				D3198-1	FITTING
2	2					D3268-1	PLACARD
9	5		4	1		D3446-041	HARNESS ASSEMBLY, 4 POINT
4		4				D3446-043	HARNESS ASSEMBLY, 4 POINT
					5	D3446-045	HARNESS ASSEMBLY, 4 POINT
13	5	4	4	1	5	D3551-11	HOOK AND LOOP TIE
2	2					D3546-1	CLIP
4		4				AN4-5A	BOLT
4	4					AN4-13A	BOLT
8		8				AN4-20A	BOLT
20		20				AN960JD416	WASHER (OR NAS1149D0463J)
12		12				MS21042L4	NUT (OR MS21042-4)
8	2		6	2		MS24694-S152	SCREW
8	2		6	2		MS24694-S154	SCREW

QTY -069	Part Number	Description
X	D412-702-069	GROMMET KIT
24	D3619-2	GROMMET
1	D3619-2T1	HOLE PUNCH
1	D3619-2T2	STRIKER BLOCK
1	D3619-2T3	PUNCH
1	D3619-2T4	DIE